

Treatment Completion

Adding it all up!

You will need

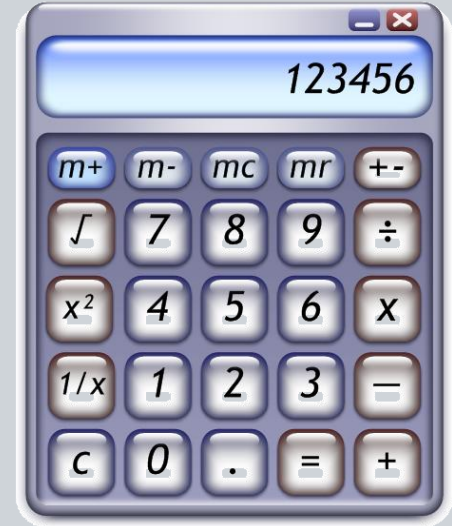
**Turning Point
clicker**



Pen or Pencil



Calculator

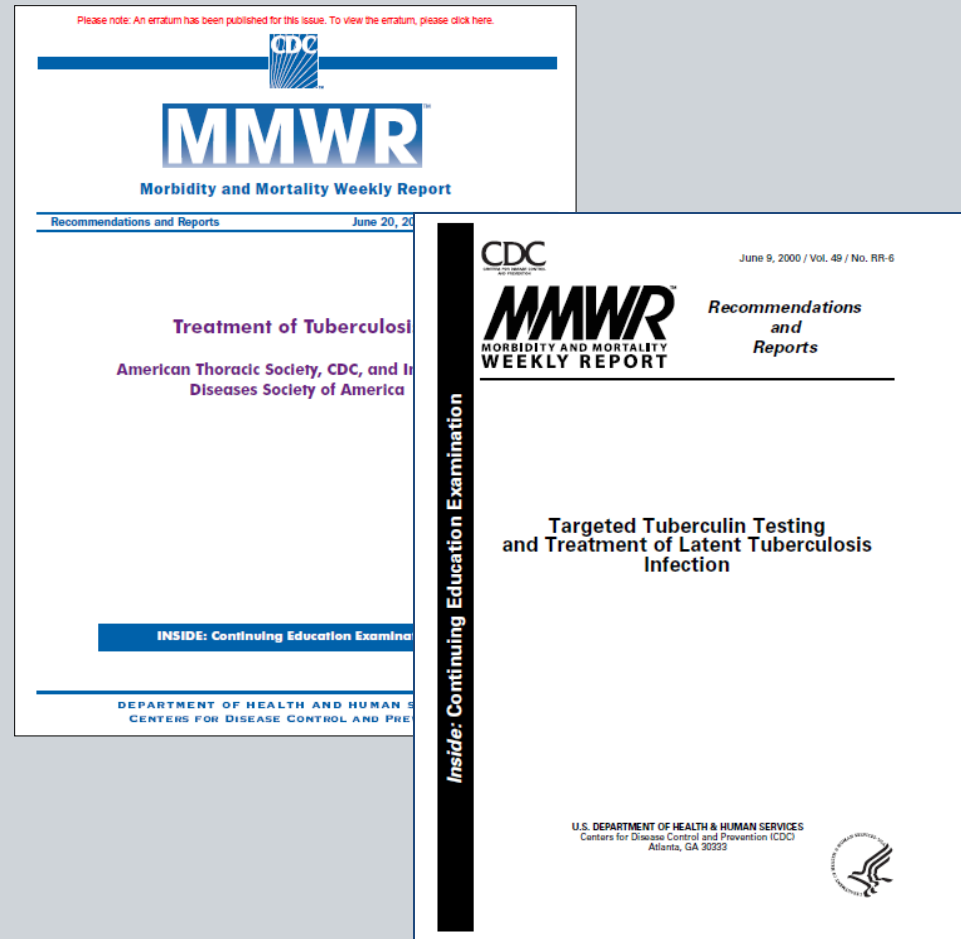


Treatment resources

Special Populations



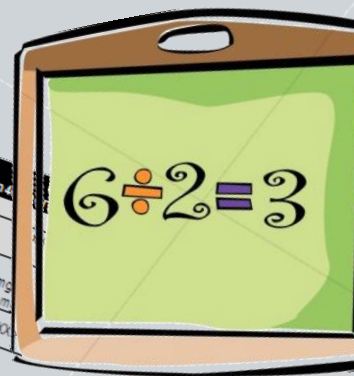
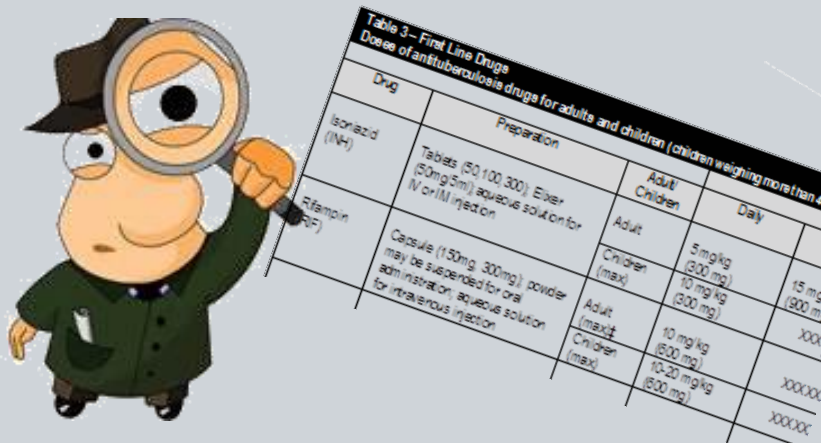
Standard Treatment



Completion of Treatment (COT)

A working definition

- A full course of treatment is determined by
 - Considering the prescribed treatment regimen
 - Reviewing DOT/treatment documentation
 - Calculating treatment weeks (not simply counting calendar weeks)
 - Correctly identifying the length of time it took to complete that regimen



Treatment quirks



- *Daily* does not simply mean 7 days/week
It means 5 days/week most of the time
- Treatment weeks \neq calendar weeks. Calculate treatment weeks.....

$$\frac{\text{Total doses taken}}{\text{Frequency of administration}} = \text{Total treatment weeks}$$

.....to determine if treatment is complete

More treatment quirks



- 6 months of treatment \neq 24 weeks,
it equals 26 weeks *because* $52/2=26$

Months		Weeks	Initial phase		Continuation phase
6	=	26	8	+	18
9	=	39	8	+	31
4	=	16	8	+	8
12	=	52	No true initial phase/ continuation phase		

Surprise! Surprise!

- Many patients do not complete treatment exactly by
the *book*

TB Case completion worksheet

When treatment is expected to be completed in ~ 4 - 6 weeks ...

- Review documentation carefully

Count doses, determine frequency and divide to calculate treatment length in weeks

$$\frac{\text{Number of doses}}{\text{Frequency of Administration}} = \text{Number of Weeks} \left[\begin{array}{l} \text{If the quotient includes a decimal to the 100ths} \\ \text{ALWAYS round down, not up. e.g. } 2.35 = 2.3 \text{ wks} \end{array} \right]$$

[illegible]

TB Case completion worksheet

Take out Kiyari Doe DOT sheets

- ## 1. List the month

Count doses, determine frequency and divide to calculate treatment length in weeks

$$\frac{\text{Number of doses}}{\text{Frequency of Administration}} = \text{Number of Weeks}$$

*If the quotient includes a decimal to the 100ths
ALWAYS round down, not up. e.g. 2.35 = 2.3 wks*

[illegible]

TB Case completion worksheet

Take out Kiyari Doe DOT sheets

1. List the month
2. List the frequency

Count doses, determine frequency and divide to calculate treatment length in weeks

$$\frac{\text{Number of doses}}{\text{Frequency of Administration}} = \text{Number of Weeks} \left[\begin{array}{l} \text{If the quotient includes a decimal to the 100ths} \\ \text{ALWAYS round down, not up. e.g. } 2.35 = 2.3 \text{ wks} \end{array} \right]$$

[illegible]

TB Case completion worksheet

Take out Kiyari Doe DOT sheets

1. List the month
2. List the frequency
3. Count the # of doses at that frequency

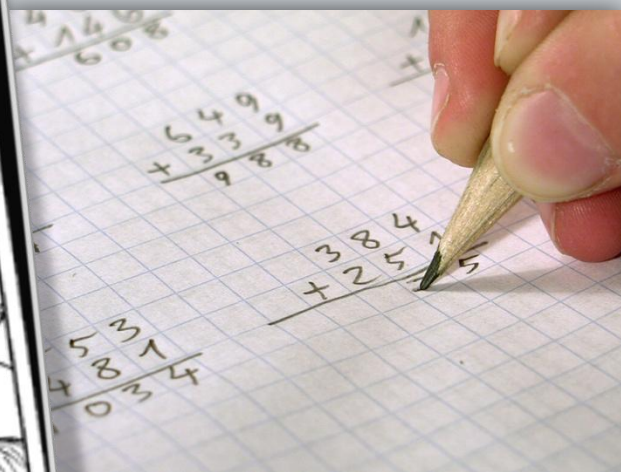
Count doses, determine frequency and divide to calculate treatment length in weeks

$$\frac{\text{Number of doses}}{\text{Frequency of Administration}} = \text{Number of Weeks}$$

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ALWAYS round down, not up. e.g. 2.35 = 2.3 wks*

[illegible]

Time for math!



TB Case completion worksheet

Take out Kiyari Doe DOT sheets

1. List the month
2. List the frequency
3. Count the # of doses for that frequency
4. Divide..

Total doses taken
Frequency of administration

..to calculate weeks taken

- ## 5. Repeat for January

Count doses, determine frequency and divide to calculate treatment length in weeks

$$\frac{\text{Number of doses}}{\text{Frequency of Administration}} = \text{Number of Weeks} \left[\begin{array}{l} \text{If the quotient includes a decimal to the 100ths} \\ \text{ALWAYS round down, not up. e.g. } 2.35 = 2.3 \text{ wks} \end{array} \right]$$

[illegible]

TB Case completion worksheet

Take out Kiyari Doe DOT sheets

1. List the month
2. List the frequency
3. Count the # of doses for that frequency
4. Divide..

Total doses taken

Frequency of administration

..to calculate weeks taken

5. Repeat for January
6. Now February

Count doses, determine frequency and divide to calculate treatment length in weeks

$$\frac{\text{Number of doses}}{\text{Frequency of Administration}} = \text{Number of Weeks} \left[\begin{array}{l} \text{If the quotient includes a decimal to the 100ths} \\ \text{ALWAYS round down, not up. e.g. } 2.35 = 2.3 \text{ wks} \end{array} \right]$$

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TB Case completion worksheet

Take out Kiyari Doe DOT sheets

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3. Count the # of doses for that frequency
4. Divide..

Total doses taken

Frequency of administration

..to calculate weeks taken

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6. Now February

Count doses, determine frequency and divide to calculate treatment length in weeks

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[illegible]

TB Case completion worksheet

Take out Kiyari Doe DOT sheets

1. List the month
2. List the frequency
3. Count the # of doses for that frequency
4. Divide..

Total doses taken

Frequency of administration

..to calculate weeks taken

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6. Now February

Count doses, determine frequency and divide to calculate treatment length in weeks

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[illegible]

TB Case completion worksheet

Take out Kiyari Doe DOT sheets

1. List the month
2. List the frequency
3. Count the # of doses for that frequency
4. Divide..

Total doses taken

Frequency of administration

..to calculate weeks taken

5. Repeat for January
6. Now February
7. Now the remainder

Count doses, determine frequency and divide to calculate treatment length in weeks

$$\frac{\text{Number of doses}}{\text{Frequency of Administration}} = \text{Number of Weeks} \left[\begin{array}{l} \text{If the quotient includes a decimal to the 100ths} \\ \text{ALWAYS round down, not up. e.g. } 2.35 = 2.3 \text{ wks} \end{array} \right]$$

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TB Case completion worksheet

Take out Kiyari Doe DOT sheets

1. List the month
2. List the frequency
3. Count the # of doses for that frequency
4. Divide..

Total doses taken

Frequency of administration

..to calculate weeks taken

5. Repeat for January
6. Now February
7. Now the remainder

Count doses, determine frequency and divide to calculate treatment length in weeks

$$\frac{\text{Number of doses}}{\text{Frequency of Administration}} = \text{Number of Weeks} \left[\begin{array}{l} \text{If the quotient includes a decimal to the 100ths} \\ \text{ALWAYS round down, not up. e.g. } 2.35 = 2.3 \text{ wks} \end{array} \right]$$

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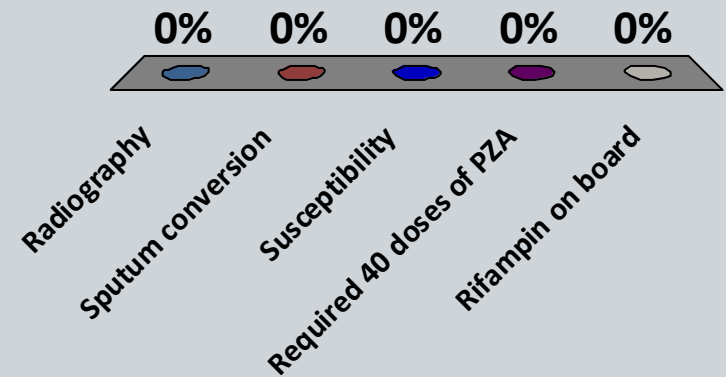
*If the quotient includes a decimal to the 100ths
ALWAYS round down, not up. e.g. 2.33 = 2.3 wks*

Month	Number of Doses	Frequency of Administration	Weeks taken
December	23	5	4.6
January	18	5	3.6
February	13	5	2.6
February	2	2	1
March	4	2	2
March	11	5	2.2
April	3	5	.6
April	8	2	4
May	8	2	4
June	3	2	1.5
Add total weeks taken			26.1

Select all criteria used to determine eligibility for a 26 week regimen?

1. Radiography
2. Sputum conversion
3. Susceptibility
4. Required 40 doses of PZA
5. Rifampin on board

4- incorrect because you don't always require 40 doses of PZA, it could be less or more depending upon frequency of administration



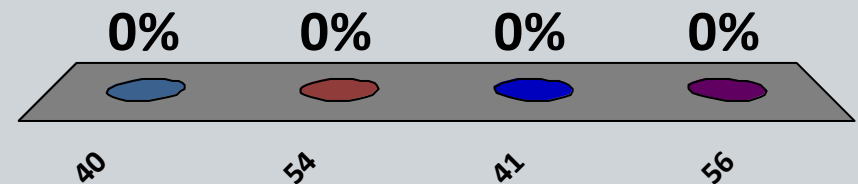
How many doses of PZA did Kiyari take?

1. 40

2. 54

3. 41

4. 56



When changes occur in treatment...

- Documentation must be clear
 - Avoid overlapping days for start date and finish date
 - Discontinuation of the current regimen & start date of new regimen
 - Change in frequency
 - Use comment field if confusion is possible
 - When no meds are given, leave the line blank
 - Don't allow the 'day to day count' to confuse you
 - Ask for a “little help from your friends” for a second look

Case 2: Un-Named patient

- Repeat the same process you followed in the prior example
 - You will have 10 minutes
 - There are some documenting problems. Make note of them
1. List the month
 2. List the frequency
 3. Count the # of doses for that frequency
 4. Divide to calculate weeks taken
 5. Add total of weeks taken

Count doses, determine frequency and divide to calculate treatment length in weeks

$$\frac{\text{Number of doses}}{\text{Frequency of Administration}} = \text{Number of Weeks} \left[\begin{array}{l} \text{If the quotient includes a decimal to the 100ths} \\ \text{ALWAYS round down, not up. e.g. } 2.35 = 2.3 \text{ wks} \end{array} \right]$$

[illegible]

Case 2:

Count doses, determine frequency and divide to calculate treatment length in weeks

$$\frac{\text{Number of doses}}{\text{Frequency of Administration}} = \text{Number of Weeks}$$

*If the quotient includes a decimal to the 100ths
ALWAYS round down, not up. e.g. 2.33 = 2.3 wks*

Month	Number of Doses	Frequency of Administration	Weeks taken
August	15	7	2.14
August	10	5	2
September	21	5	4.2
October	8	2	4
November	9	2	4.5
December	9	2	4.5
January	9	2	4.5
February	1	2	.5
February	11	3	3.66
March	13	3	4.33
April	13	3	4.33
May	2	3	.66
Add total weeks taken			39.3 (39.1)

Case 2:

Documenting issues

- August

- Change in frequency of DOT

- September – October

- frequency and dosage change without dates

- February

- change in frequency with overlap in dates

- April

- obscure error notation

Count doses, determine frequency and divide to calculate treatment length in weeks

$$\frac{\text{Number of doses}}{\text{Frequency of Administration}} = \text{Number of Weeks}$$

[If the quotient includes a decimal to the 100ths ALWAYS round down, not up. e.g. 2.35 = 2.3 wks]

Month	Number of Doses	Frequency of Administration	Weeks taken
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November	9	2	4.5
December	9	2	4.5
January	9	2	4.5
February	1	2	.5
February	11	3	3.66
March	13	3	4.33
April	13	3	4.33
May	2	3	.66
Add total weeks taken			39.3 (39.1)

Completion of treatment

- New form
- Submit page one only
- Worksheet is not required
- Clear instructions???
- Fax to 804-371-0248

Virginia Department of Health
TB Case Completion/Discontinue Report & Worksheet
Fax to TB control program: 804-371-0248



Date form completed _____

Name _____ DOB _____
PHN _____ Phone number _____

Reason Therapy Stopped _____ Date Therapy Stopped ____/____/____
☐ Completed therapy ☐ Lost
☐ Uncooperative or refused ☐ Adverse treatment event
☐ Not TB ☐ Died
☐ Other: (specify) _____

If died, indicate cause of death (select one) Date of death ____/____/____
☐ Related to TB disease ☐ Related to TB therapy
☐ Unrelated to TB disease ☐ Unknown

Reason therapy extended beyond 12 months (select all that apply)
☐ Rifampin resistant ☐ Adverse drug reaction
☐ Non-adherence ☐ Treatment failure
☐ Clinically indicated
☐ Other (specify) _____

Directions for completing dose count

- Include all treatment taken by DOT whether provided in VA or elsewhere
- Non-DOT doses should be rare and counted only if there are extenuating circumstances
- Facility doses should only be counted if facility documentation is provided
- Calculate each month's total weeks of treatment using the "Treatment completion calculation worksheet"
- From the worksheet, record the number of week of therapy in the line below
- Use the comment space below to detail non-DOT counted doses or undocumented facility counted doses, an explanation for changes in the planned treatment regimen, etc.

Total weeks of planned therapy _____ Total weeks of completed therapy _____

Comments

Completion of treatment

- New form
- Submit page one only
- Worksheet is not required
- Directions edited
- Fax to 804-371-0248

Virginia Department of Health
TB Case Completion/Discontinue Report & Worksheet
Fax to TB control program: 804-371-0248



Date form completed _____

Name _____ DOB _____
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Reason Therapy Stopped _____ Date Therapy Stopped ____/____/____
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If died, indicate cause of death (select one) Date of death ____/____/____
☐ Related to TB disease ☐ Related to TB therapy
☐ Unrelated to TB disease ☐ Unknown

Reason therapy extended beyond 12 months (select all that apply)
☐ Rifampin resistant ☐ Adverse drug reaction
☐ Non-adherence ☐ Treatment failure
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Directions for completing dose count

- Include all treatment taken by DOT whether provided in VA or elsewhere
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- Calculate each month's total weeks of treatment using the "Treatment completion calculation worksheet"
- From the worksheet, record the number of week of therapy in the line below
- Use the comment space below to detail non-DOT counted doses or undocumented facility counted doses, an explanation for changes in the planned treatment regimen, etc.

Total weeks of planned therapy 26 Total weeks of completed therapy 39.3

Comments

Originally planned 6 months of therapy however due to
persistent positive cultures beyond 60 days treatment was
extended to 9 months.



Be yourself
because an
original is
worth more
than a copy